

# 【 WISE-PaaS Certified Developer-Level II Training 】

## 📌 Level II:

### **Training Courses:**

<https://www.notion.so/WISE-PaaS-Certified-Developer-Program-Level-II-2020-2e7b28ea36454ff6a2496dda8ab987ef>

### **Training Videos:**

1. [Overview](#)
2. [Application Deployment-Kubernetes Concepts](#)
3. [Application Deployment- Environment Setup](#)
4. [Application Deployment-Static Page Config Files](#)
5. [Application Deployment-Deploying First App](#)
6. [Application Deployment-Kubernetes Objects](#)
7. [Application Deployment-Deploying a Server on Minikube](#)
8. [SSO-Concept and Features](#)
9. [SSO-EnSaaS Role](#)
10. [SSO-Integration Application Logic](#)
11. [SSO-Integration K8s Deployment](#)
12. [IoT Hub-Concept](#)
13. [IoT Hub-Secrets and Credentials](#)
14. [IoT Hub-MQTT Hands-on Demo](#)
15. [DB-Postgresql Group](#)
16. [DB-Test Group Locally](#)
17. [DB-Application Architecture](#)
18. [DB-K8s Configs](#)
19. [DB-Source Code Inspection](#)
20. [DB-Running Edge Data Generator](#)
21. [DB-Data Visualization](#)
22. [DB-Helm-Chart](#)

## 📌Level II Tool Installation:

1. [Docker](#)
2. [Minikube](#)
3. [kubectl](#)
4. [Helm](#)
5. [VSCode](#)
6. [Git](#)
7. [Postman](#)
8. [Nodejs](#)

9. [MQTTBox](#)
10. [Mongodb](#)
11. [Robo 3T](#)
12. [Postgresql](#)
13. [Pgadmin 4](#)
14. [Chrome Extension] [JSON Viewer](#)
15. [Chrome Extension] [Restlet Client - REST API Testing](#) 2.19.1 (Optional)
16. [Cmder](#) (Optional)

## 【 WISE-PaaS Certified Developer-Level II Exam 】

Thank you for registering for Level II courses. To get the WISE-PaaS Level II certification, you have to finish the Level I Exam first and then follow the exam items below.

WISE-PaaS/ EnSaaS: <https://portal-sso-ensaas.sa.wise-paas.com/>

Workspace: adv-training

Namespace: level2

\*\*Pre-study Materials:

- [Kubernetes Concepts](#)
- [What is Kubernetes](#)
- [Kubernetes Components](#)

1. Push your “SSO sample code” app to WISE-PaaS and provide us with the corresponding URL.

URL example: <https://sso-frontend-dave-lee-level2-eks004.sa.wise-paas.com>

Sample Code on GitHub: <https://github.com/WISE-PaaS/sso-frontend-integration-k8s>

2. Push your “iothub-k8s-training” app to WISE-PaaS and provide the **topic** that you use in **index.js** so that we can test your work.

Example: **greeting/dave/lee**

Sample Code on GitHub: <https://github.com/WISE-PaaS/iothub-k8s-training>

3. IoT Project:

Download the sample code and modify the config files. Follow the steps in the videos to complete this project and provide the following links:

- a. Link to your page. Example: <https://iot-home-dave-lee-level2-eks004.sa.wise-paas.com>
- b. Link to your **\*\*dashboard\*\***

4. Final Project:

Build an application that fetches the temperature from a specific API. The goal is to retrieve the data from API and save them to the database, then show the data on the Dashboard panel. You can get more detail information [HERE](#).

5. Take the [Online Test](#) (released on 3/19)

(A **70/100** is required to pass, If you don't pass the first time, you will have a second chance. Please send the email to notify us, then we will send the second test link to you.)

- After completing all items, **please e-mail the hands-on results to wise-paas.training@advantech.com.tw**. We will send a confirmation e-mail **in two weeks**. If you have any questions, please contact us through the e-mail. Thank you.

**\*\*** Level II training account will be disabled **3 weeks** later. If you need more time to complete the assignments, you could [apply for extending your account permission](#) for two additional weeks in order to finish assignments. Please note this can only be done **ONE** time. It must be applied before the permission expires. If the account permission had expired, you cannot apply for extension. Thank you.